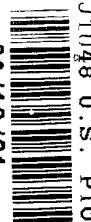


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Please type a sign (+) inside this box →

PTO/SB/05 (11-00)

Approved for use through 10/31/2002 OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
2. Applicant claims small entity status.
See 37 CFR 1.27.
3. Specification [Total Pages : 613]
(preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) [Total Sheets]
5. Oath or Declaration [Total Pages 2]
 - a. Newly executed (original)
 - b. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
 - i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. Application Data Sheet. See 37 CFR 1.76 [2 pages].

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-Part (CIP) of prior application No: /
Prior application information: Examiner: Group/Art Unit:

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. CORRESPONDENCE ADDRESS

 Customer Number or Bar Code Label or Correspondence address below

NAME					
ADDRESS					
CITY		STATE		ZIP CODE	
COUNTRY		TELEPHONE		FAX	
NAME (Print/Type)	Michele M. Wales			Registration No. (Attorney/Agent)	43,975
SIGNATURE	<i>Michele M. Wales</i>			Date	8/10/01

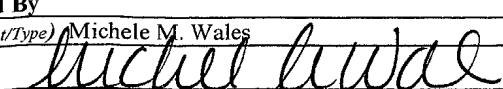
Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231

JC474 U.S. PTO
08/10/01

**FEE TRANSMITTAL
for FY 2001**

Patent fees are subject to annual revision.

Complete if Known

FEE TRANSMITTAL for FY 2001					Complete if Known			
Patent fees are subject to annual revision.								
					Application Number	Unassigned		
					Filing Date	Herewith		
					First Named Inventor	Rosen et al.		
					Examiner Name	Unassigned		
					Group Art Unit	Unassigned		
Total amount of payment		\$1,132.00			Attorney Docket Number	PA101		
METHOD OF PAYMENT (CHECK ONE)					FEE CALCULATION (CONTINUED)			
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to: Deposit Account 08-3425 Number Deposit Account Human Genome Sciences, Inc. Name					3. ADDITIONAL FEES Large Entity Small Entity Fee Fee Fee Fee Fee Code (\$) Code (\$) Description 105 130 205 65 Surcharge - late filing of Oath or Declaration 127 50 227 25 Surcharge - late provisional filing fee or cover sheet 139 130 139 130 Non-English specification 147 2,520 147 2,520 For filing a request for <i>ex parte</i> reexamination 112 920 112 920 Requesting publication of SIR prior to Examiner action 113 1,840 113 1,840 Requesting publication of SIR after Examiner action 115 110 215 55 Extension for reply within first month 116 390 216 195 Extension for reply within second month 117 890 217 445 Extension for reply within third month 118 1,390 218 695 Extension for reply within fourth month 128 1,890 228 945 Extension for reply within fifth month 119 310 219 155 Notice of Appeal 120 310 220 155 Filing a brief in support of an appeal 121 270 221 135 Request for oral hearing 138 1,510 138 1,510 Petition to institute a public use proceeding 140 110 240 55 Petition to revive -unavoidable 141 1,240 241 620 Petition to revive -unintentional 142 1,240 242 620 Utility issue fee (or reissue) 143 440 243 220 Design issue fee 144 600 244 300 Plant issue fee 122 130 122 130 Petitions to the Commissioner 123 50 123 50 Petitions related to provisional applications 126 180 126 180 Submission of Information Disclosure Statement 581 40 481 40 Recording each patent assignment per property (times number of properties) 146 710 246 355 Filing a submission after final rejection (37 CFR 1.129(a)) 149 710 249 355 For each additional invention to be examined (37 CFR 1.129(b)) 179 710 279 355 Request for Continued Examination (RCE) 169 190 169 900 Request for expedited examination of a design application			
See 37 CFR 1.27								
2. <input type="checkbox"/> Payment Enclosed: <input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input checked="" type="checkbox"/> Other* *Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 08-3425								
FEE CALCULATION								
1. BASIC FILING FEE								
Large Fee Code	Entity Fee (\$)	Small Entity Fee Code	Entity Fee (\$)	Fee Description	Fee Paid			
101	710	201	355	Utility filing fee	\$710.00			
106	320	206	160	Design filing fee				
107	490	207	245	Plant filing fee				
108	710	208	355	Reissue filing fee				
114	150	214	75	Provisional filing fee				
Subtotal (1)					\$710.00			
2. EXTRA CLAIM FEES								
					Extra	Fee from below	Fee Paid	
Total claims		24	- 20**	4	\$18.00	\$ 72.00		
Indep. claims		4	- 3**	1	\$80.00	\$ 80.00		
Multiple Dependent		1		1	\$270.00	\$270.00		
Large Fee Code	Entity Fee (\$)	Small Entity Fee Code	Entity Fee (\$)	Fee Description				
103	18	203	9	Claims in excess of 20				
102	80	202	40	Independent claims in excess of 3				
104	270	204	135	Multiple dependent claim				
108	80	209	40	**Reissue independent claims over original patent				
110	18	210	9	**Reissue claims in excess of 20 and over original patent				
Subtotal (2)					\$422.00			
*Reduced by Basic Filing Fee Paid								
					Subtotal (3)	\$0.00		
Submitted By					Complete (if applicable)			
Name (Print/Type) Michele M. Wales					Registration No.: 43,975	Telephone	(301) 610-5772	
Signature 					Date 8/10/01			

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PATENT APPLICATION SERIAL NO. _____

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
Fee Record Sheet

08/13/2001 HDEMESS1 00000013 083425 09925300

01 FC:101 710.00 CH
02 FC:102 80.00 CH
03 FC:103 72.00 CH
04 FC:104 270.00 CH

Adjustment date: 12/05/2001 YGIZAW
08/13/2001 HDEMESS1 00000013 083425 09925300
03 FC:103 72.00 CR
04 FC:104 270.00 CR

12/05/2001 YGIZAW 00000005 083425 09925300
01 FC:103 54.00 CH

PTO-1556

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*U.S. GPO: 2000-468-987/39595